

CORRELATION OF MAP UNITS

Qal	Qaf	Ql	Holocene	QUATERNARY
Qe1	Qe2	Qe3	Pleistocene	
Qe4	Qe5	Qe6		
Qe7	Qe8	Qe9		
Qe10	Qe11	Qe12		
Unconformity	Td	ps	Pliocene and Miocene	TERTIARY
Unconformity	Twu	Tft	Oligocene	
Unconformity	Twl	m		
Unconformity	h	b		PRECAMBRIAN

DESCRIPTION OF MAP UNITS

Qal	ALLUVIUM	Includes Pleistocene gravels 8 and 9 locally along Arkansas River
Qaf	ALLUVIAL-FAN DEPOSIT	Locally includes eolian sand
Ql	LANDSLIDE DEBRIS	
Qe1	GRAVELS	Sandy and silty matrix; volcanic ash locally in gravel 3; include gravels 2-7; gravel 1 in quadrangle to north, and gravels 8 and 9 included with Qal
Qe2		
Qe3		
Qe4		
Qe5		
Qe6		
Qe7		
Qe8		
Qe9		
Qe10		
Qe11		
Qe12		
Qe13		
Qe14		
Qe15		
Qe16		
Qe17		
Qe18		
Qe19		
Qe20		
Qe21		
Qe22		
Qe23		
Qe24		
Qe25		
Qe26		
Qe27		
Qe28		
Qe29		
Qe30		
Qe31		
Qe32		
Qe33		
Qe34		
Qe35		
Qe36		
Qe37		
Qe38		
Qe39		
Qe40		
Qe41		
Qe42		
Qe43		
Qe44		
Qe45		
Qe46		
Qe47		
Qe48		
Qe49		
Qe50		
Qe51		
Qe52		
Qe53		
Qe54		
Qe55		
Qe56		
Qe57		
Qe58		
Qe59		
Qe60		
Qe61		
Qe62		
Qe63		
Qe64		
Qe65		
Qe66		
Qe67		
Qe68		
Qe69		
Qe70		
Qe71		
Qe72		
Qe73		
Qe74		
Qe75		
Qe76		
Qe77		
Qe78		
Qe79		
Qe80		
Qe81		
Qe82		
Qe83		
Qe84		
Qe85		
Qe86		
Qe87		
Qe88		
Qe89		
Qe90		
Qe91		
Qe92		
Qe93		
Qe94		
Qe95		
Qe96		
Qe97		
Qe98		
Qe99		
Qe100		

SYMBOLS

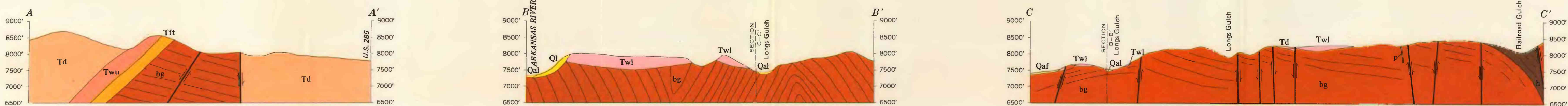
20°	CONTACT, SHOWING DIP	Approximately located
70°	FAULT, SHOWING DIP	U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where concealed
+	ANTIFORM	Drawn on foliation or layering
+	SYNFORM	Drawn on foliation or layering
20°	STRIKE AND DIP OF BEDS	
60°	STRIKE AND DIP OF FOLIATION	
Inclined		
Vertical		
40°	BEARING AND PLUNGE OF LINEATION	Symbol combined with strike and dip of foliation
SE	STRIKE AND DIP OF JOINT	
+	SHAFT	
+	PORTAL OF ADIT	
x	PROSPECT	
x	GRAVEL PIT	
D780	U.S. GEOLOGICAL SURVEY FOSSIL VERTEBRATE LOCALITY	
xv	VOLCANIC ASH LOCALITY	

Base from U.S. Geological Survey, 1:62,500, 1956
Minor modifications of culture features, 1965

SCALE 1:24,000
CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

COLORADO

Geology by R. E. Van Alstine, 1961-65



GEOLOGIC MAP OF THE PONCHA SPRINGS SE QUADRANGLE, CHAFFEE COUNTY, COLORADO